

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/888,264

DATE: 10/01/2001

TIME: 10:52:55

Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\10012001\I888264.raw

3 &lt;110&gt; APPLICANT: Adams, Sean

4 Yu, Xiang Xian

6 &lt;120&gt; TITLE OF INVENTION: CONTROL OF METABOLISM WITH COMPOSITIONS OF THE HUMAN 2-OXOGLUTARATE

7 CARRIER

9 &lt;130&gt; FILE REFERENCE: 10466/35

11 &lt;140&gt; CURRENT APPLICATION NUMBER: 09/888,264

C--&gt; 12 &lt;141&gt; CURRENT FILING DATE: 2001-09-17

14 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/213,307

15 &lt;151&gt; PRIOR FILING DATE: 2000-06-22

17 &lt;160&gt; NUMBER OF SEQ ID NOS: 2

19 &lt;170&gt; SOFTWARE: PatentIn version 3.1

21 &lt;210&gt; SEQ ID NO: 1

22 &lt;211&gt; LENGTH: 1123

23 &lt;212&gt; TYPE: DNA

24 &lt;213&gt; ORGANISM: Homo sapiens; GenBank NM\_003562

26 &lt;400&gt; SEQUENCE: 1

27 ccgagggcca ttgagtggcg atggcggcga cggcgagtgc cggggccggc gggatggacg 60  
 29 ggaagccccg tacctccctt aagtccgtca agttcctgtt tgggggcctg gccgggatgg 120  
 31 gagctacagt ttttgtccag cccttgacc tggatgaaga ccggatgcag ttgagcggg 180  
 33 aagggggccaa gactcgagag tacaaaacca gcttccatgc cctcaccagt atcctgaagg 240  
 35 cagaaggcct gaggggcatt tacactgggc tgcggctgg cctgctgcgt caggccacct 300  
 37 acaccaactac ccgccttggc atctataccg tgctgtttga gcgcctgact ggggctgatg 360  
 39 gtactccccc tggctttctg ctgaaggctg tgattggcat gaccgcaggt gccactggtg 420  
 41 cctttgtggg aacaccagcc gaagtggctc ttatccgcat gactgcgat ggccggcttc 480  
 43 cagctgacca gcgcgtggc tacaaaaatg tgtttaacgc cctgattcga atcacccggg 540  
 45 aagaggggtg cctcacactg tggcggggct gcatccctac catggtctcg gccgtcgtcg 600  
 47 tcaatgctgc ccagctcgcc tcctactccc aatccaagca gttcttactg gactcaggct 660  
 49 actttctctga caacatcctg tgccacttct gtgccagcat gatcagcggg cttgtcacca 720  
 51 ctgctgcctc catgcctgtg gacattgcca agaccgaat ccagaacatg cggatgattg 780  
 53 atgggaagcc ggaatacaag aacgggctgg acgtgctgtt caaagtgtgc cgctacagg 840  
 55 gcttcttcag cctgtggaag ggcttcacgc cgtactatgc ccgcctgggc cccacaccg 900  
 57 tcctcacctt catcttcttg gagcagatga acaaggccta caagcgtctc ttcctcagt 960  
 59 gctgaagcgt ttcagggcac acaggacagc agaagatccc ctttgtcagt ggggaaacca 1020  
 61 aggcagagct gaggggacag ggaggagcag aagccatcaa gatggtcaaa gggcctgcag 1080  
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66 &lt;210&gt; SEQ ID NO: 2

67 &lt;211&gt; LENGTH: 1503

68 &lt;212&gt; TYPE: DNA

69 &lt;213&gt; ORGANISM: Homo sapiens; GenBank AF070548

71 &lt;400&gt; SEQUENCE: 2

72 cctcgtgcca ggcgtgcgcg cgccctcgct ctgttgcgcg cgcggtgtca ccttggggcg 60  
 74 gagcggggcc gtgcgcgcac gggaccggga gccgagggcc attgagtggc gatggcggcg 120  
 76 acggcgagtg ccggggccgg cgggatagac ggaagcccc gtacctccc taagtccgtc 180  
 78 aagttcctgt ttgggggccc ggccgggatg ggagctacag tttttgtcca gccctggac 240  
 80 ctggtgaaga accggatgca gttgagcggg gaaggggcca agactcgaga gtacaaaacc 300  
 82 agcttccatg cctcaccag tatcctgaag gcagaaggcc tgaggggcat ttacactggg 360  
 84 ctgctggctg gcctgctgcg tcaggccacc tacaccacta cccgccttgg catctatacc 420

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86 gtgctgtttg agcgcctgac tggggctgat ggtactcccc ctggctttct gctgaaggct 480
88 gtgattggca tgaccgcagg tgccactggt gcctttgtgg gaacaccagc cgaagtggct 540
90 cttatccgca tgactgccga tggccggctt ccagctgacc agcgcctggg ctacaaaaat 600
92 gtgtttaacg ccctgattcg aatcaccgga gaagagggtg tcctcacact gtggcggggc 660
94 tgcattcccta ccatggctcg ggccgtcgtc gtcaatgctg ccagctcgc ctctactcc 720
96 caatccaagc agttcttact ggactcaggc tacttctctg acaacatctt gtgccacttc 780
98 tgtgccagca tgatcagcgg tcttgtcacc actgctgcct ccatgcctgt ggacattgcc 840
100 aagacccgaa tccagaacat gcggatgatt gatgggaagc cggaatacaa gaacgggctg 900
102 gacgtgctgt tcaaagttgt ccgctacgag ggcttcttca gcctgtggaa ggccttcacg 960
104 ccgtactatg cccgcctggg cccccacacc gtctcacct tcatcttctt ggagcagatg 1020
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108 tgctgcgcct atagccactg cgccctgggg gcctgggctc tgctgcctg gaccctctta 1140
110 ttattttccc ttccacagtg tggttttctt ctctgcggtt aaggacttgg tctgttctac 1200
112 cccctgctcc agcttgccct gctcgtcctg atcctgtgat ttctctgtcc ttggctattc 1260
114 ttgcagggag ctggaaaact tcctgaggat ttctggcctc cccctggggt ttagtttcag 1320
116 ggcacacagg acagcagaag atcccccttg tcagtgggga aaccaaggca gagctgaggg 1380
118 gacagggagg agcagaagcc atcaagatgg tcaaagggcc tgcaagaggga gatgtggccc 1440
120 ttctccccc tcattgagga cttaataaat tggattgatg acaccaaaaa aaaaaaaaaa 1500
122 aaa 1503
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/888,264

DATE: 10/01/2001

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Input Set : A:\PTO\_VSK.txt

Output Set: N:\CRF3\10012001\I888264.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date